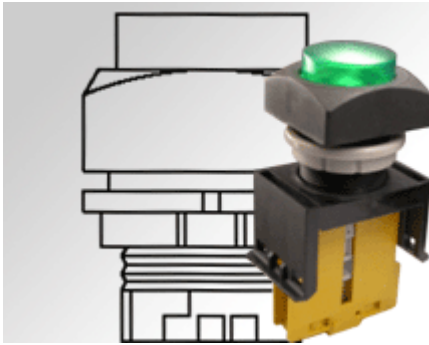
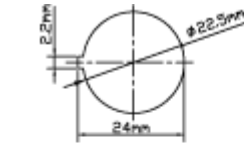


## Actuators for TS-series Pilot Indicators

Mounting hole: 22.5mmØ, 30.5mmØ



Examples of the actuators assembled with other parts.

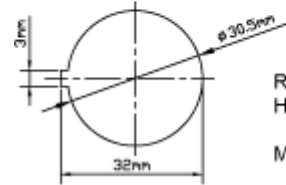


Panel cutout for 22.5φ

ROUND TYPE  
Housing dia. 28mm

SQUARE TYPE  
housing 30X30mm

Mounting grid: 30\*50mm



Panel cutout for 30.5φ

ROUND TYPE  
Housing dia. 37.5mm

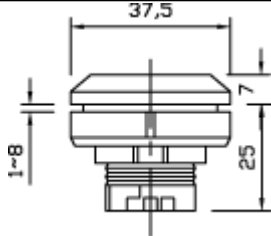
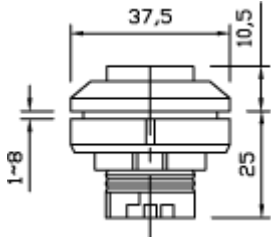
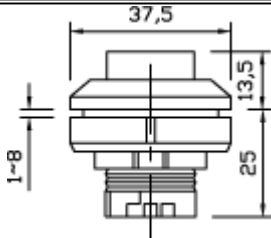
Mounting grid: 45\*65mm

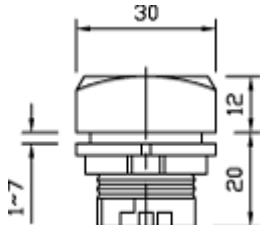
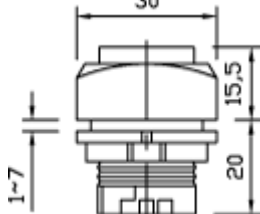
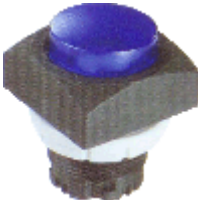
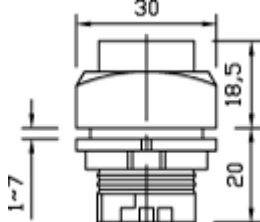
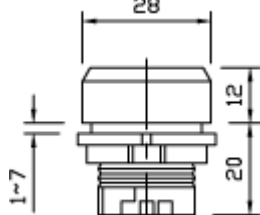
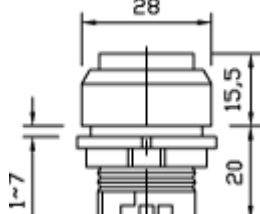
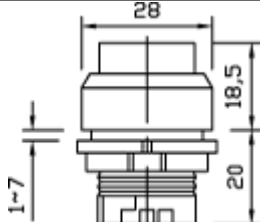


- Worked with the [lamp block TS-L](#) only.
- Housing: Nylon 66 UL rated 94V-2
- Cap: PC UL rated 94V-2
- Rubber ring: NBR
- Nut: Nylon 66 UL rated 94V-2
- With TS-3P holder

### How to Order the Actuators

|                |              |
|----------------|--------------|
| TS-30-KL-1 - W |              |
| Actuator type  | Button Color |
| See below      | W white      |
|                | R red        |
|                | Y yellow     |
|                | G green      |
|                | B blue       |

|                                                                                     |                                                                                     |            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
|  |  | TS-30-KL-1 |
|  |  | TS-30-KL-2 |
|  |  | TS-30-KL-3 |
|                                                                                     |                                                                                     | TS-22-QL-1 |

|                                                                                     |                                                                                     |            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
|    |    |            |
|    |    | TS-22-QL-2 |
|    |    | TS-22-QL-3 |
|   |   | TS-22-RL-1 |
|  |  | TS-22-RL-2 |
|  |  | TS-22-RP-3 |

## Contact Blocks for TS- SERIES Modular Switches

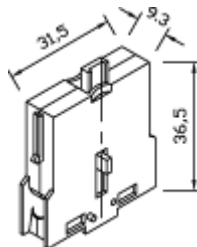
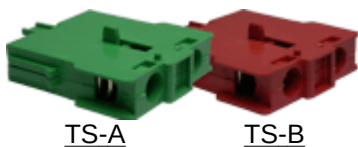
Flexible and modular assembly to save time and cost



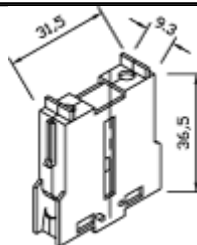
- Rating: 15A 125Vac  
10A 250/400/600Vac; 5A 6/12/24/50 Vdc
- Standard operating conditions  
Temperature: -20°C to 80°C  
Humidity: 45 to 85% RH
- Contact block Contact Resistance: 100M ohm Min. (500Vdc)
- Contact block Dielectric Strength: 2500Vac 1Min.
- Contact block mechanical life: 6000 cycles (CUL)
- Contact block electrical Life: 6000 cycles (CUL)
- Contact block case/ Lamp modular case: Nylon 66 UL rated 94V-0
- Acutator, Contact block and Lamp modular are ordered respectively.
- Ex. 1 pc of TS-A = 1 NO  
1 pc of TS-B = 1 NC  
1 pc of TS-A+1 pc of TS-B = 1NO+1NC

### Blocks compatibility List with the Actuators ( ✓ means compatible )

| Block\Actuators | Push | Selector | Emergency Stop | Indicator |
|-----------------|------|----------|----------------|-----------|
| TS-A            | ✓    | ✓        | ✓              |           |
| TS-B            | ✓    | ✓        | ✓              |           |
| TS-W            | ✓    |          |                |           |
| TS-L            | ✓    |          |                | ✓         |
| TS-WL           | ✓    |          |                |           |



- Modular Contact Blocks
- TS-A: pushed to ON, normally open, OFF-(ON)
- TS-B: pushed to OFF, normally closed, ON-(OFF)
- If used in a Push actuator and locking mechanism is required to get a OFF-ON or ON-OFF circuit, a TS-W or TS-WL must be assembled too.



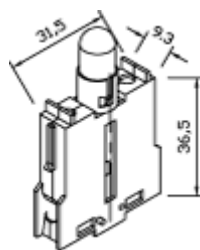
- Latch-Type modular, served as a switch locking mechanism for Push actuators
- Only at the center position when installed inside a Holder



- TS-L and TS-WL are lamp modular and installed only at the center position of the Holder
- TS-WL is a Latch-type modular, served as a switch locking mechanism for Push actuators

TS-L

TS-WL



LAMP OPTION

TS-W - A1

| Lamp modular | Voltage |        |
|--------------|---------|--------|
| TS-W         | A1      | 110VAC |
| TS-WL        | A2      | 220VAC |
|              | D06     | 6VDC   |
|              | D12     | 12VDC  |
|              | D24     | 24VDC  |